



# PUBLIC NOTICE

**File Number: NRS 15.352**

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

**APPLICANT:** TN Department of Transportation  
Claire Sichko  
505 Deaderick Street, Suite 900  
Nashville, TN 37243  
615-532-4578

**LOCATION:** State Route 109, Intersection at Old State Highway 109

**PROJECT DESCRIPTION:** The Tennessee Department of Transportation is proposing to modify the intersection of State Route 109 and Old State Highway 109 in Sumner County. The primary purpose of the proposed project is to address safety issues. The TDOT has determined the intersection is a potential hazard for motorists. Therefore, the applicant is pursuing a 20 day public notice so that the road improvement project can be expedited quickly.

This road project will impact five (5) streams. One stream will have permanent impacts from encapsulation and length loss totaling 78 linear feet. The applicant proposes to offset these impacts through the Tennessee Stream Mitigation Program in the East Lower Cumberland Service Area. Four of the streams will have temporary impacts that include temporary road crossings, stabilization and temporary channel diversions.

## IMPACTS:

STR-1: Unnamed tributary to East Camp Creek  
Latitude 35.1493° Longitude -86.4625°  
Extension of a 12' x 8' box culvert  
Current box is 217 linear feet  
Extension of box is 62 linear feet  
18 linear feet of channel length loss  
Impacts to be mitigated through the TN Stream Mitigation Program; 78 credits are needed

**DEGRADATION:** In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will result in degradation to water quality.

**WATERSHED / WATERBODY DESCRIPTION: Old Hickory Lake Watershed**

The Old Hickory Lake Watershed is located in Middle Tennessee and includes parts of Davidson, Macon, Robertson, Smith, Sumner, Trousdale and Wilson counties. It is approximately 983 square miles and drains to the Cumberland River - See more at: <https://www.tn.gov/environment/article/wr-ws-old-hickory-lake-watershed#sthash.lzzlyBpi.dpuf>

**Stream Name / ID #:** STR-1 Unnamed tributary to East Camp Creek (TN053020104\_0200)

**Ecoregion:** 71h Outer Nashville Basin

**Stream Dimension:**

Channel bottom width	10-12' wide
Channel top width	12-14' wide
Water depth	18" deep
Bank height	5' deep

**Substrate:** Bedrock, cobble, boulder

<b>Designated Use</b>	<b>Use Support</b>	<b>Causes</b>
Fish and aquatic life	Fully supporting	
Recreation	Fully supporting	
Industrial water supply	Fully supporting	
Irrigation	Fully supporting	
Livestock watering & wildlife	Fully supporting	

The proposed activities require compensatory mitigation. The losses will be offset by purchasing 78 credits through TN Stream Mitigation Program.

**PERMIT COORDINATOR:** Vena Jones

**FACTORS CONSIDERED:** In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

**COMMENTING:** Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **twenty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

**PUBLIC HEARING:** Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the

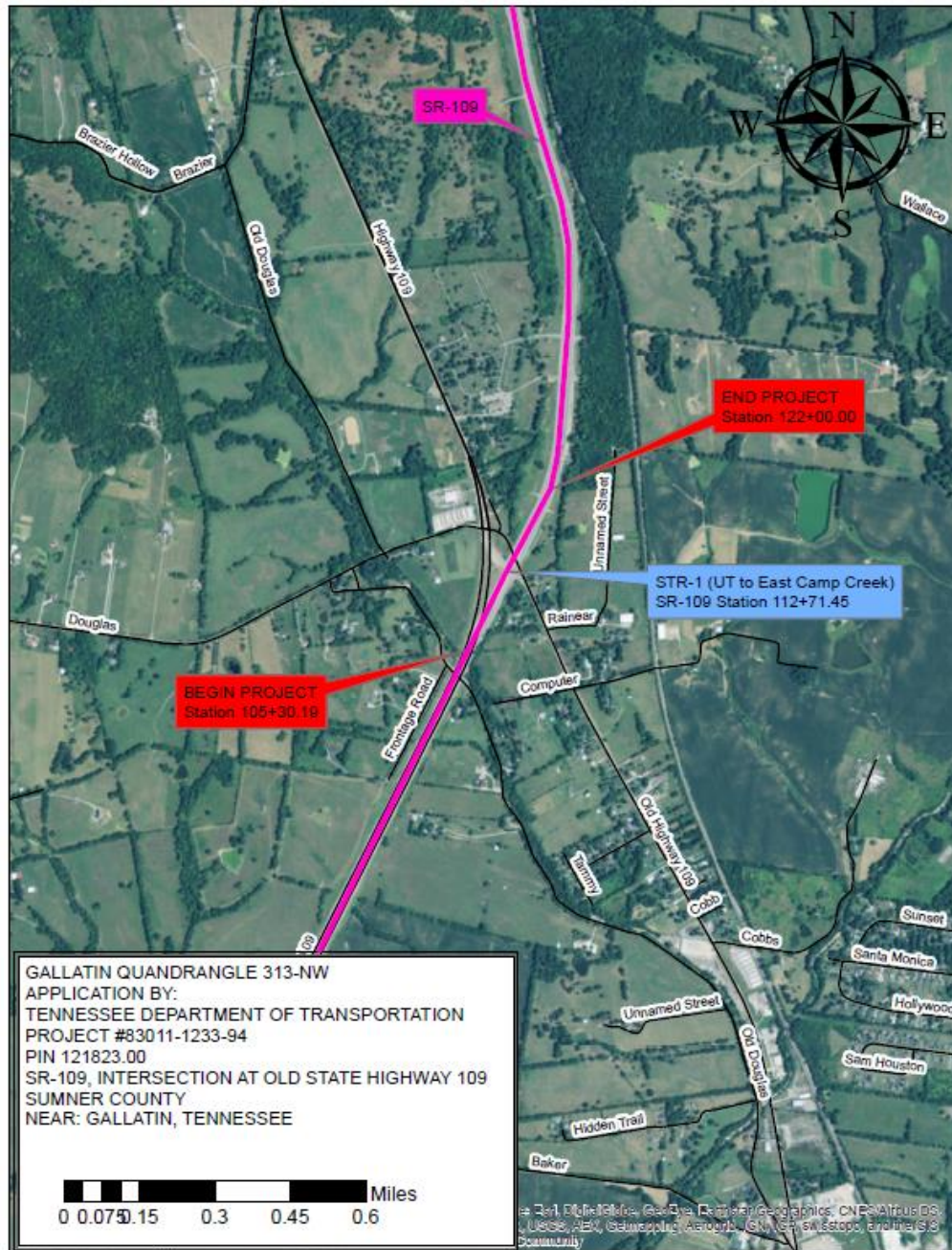
department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

**APPEAL:** A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within TWENTY (20) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Calabrese Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11<sup>th</sup> floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

**FILE REVIEW:** The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

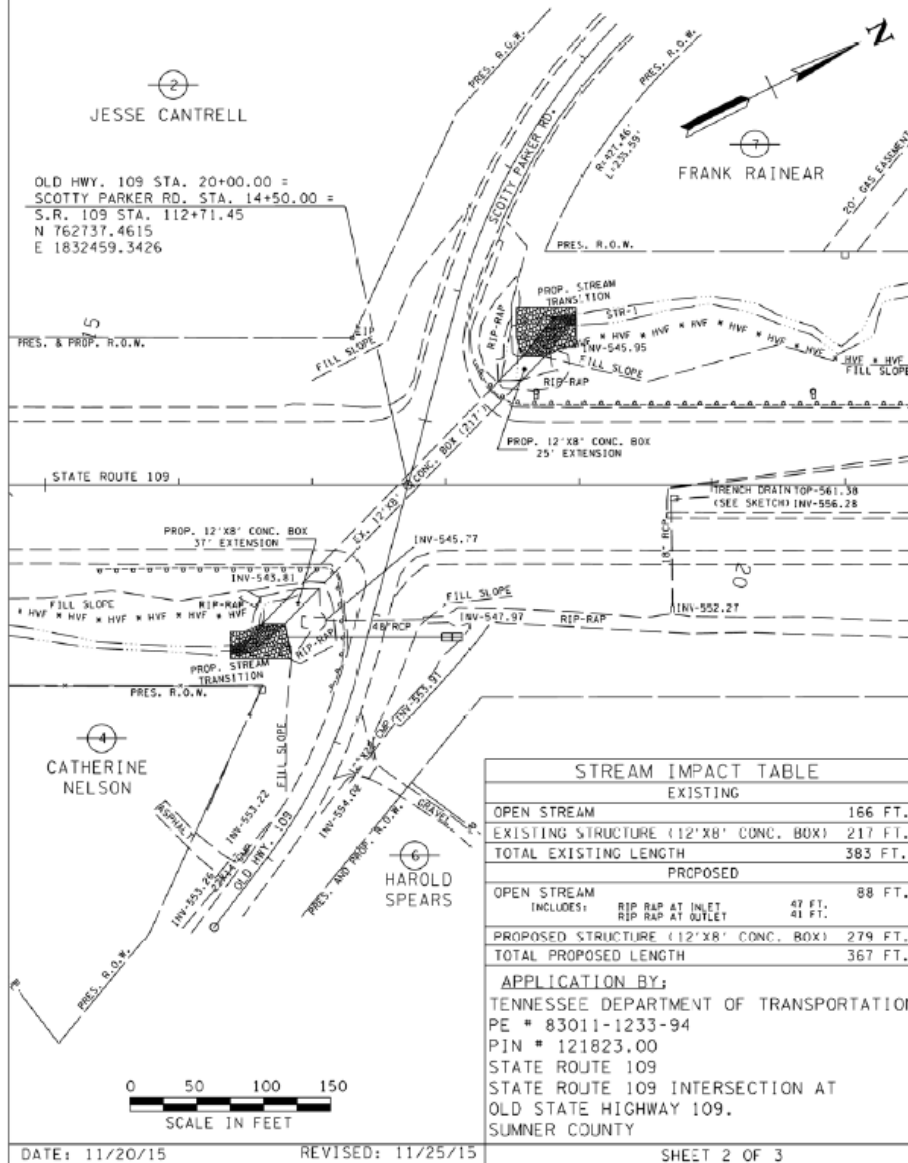
Tennessee Department of Environment & Conservation  
Division of Water Resources, Natural Resources Unit  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243

## **Location/Topographic Map**



## Site Designs

# 12' X 8' CONCRETE BOX EXTENSION Permit Sketch



## STREAM IMPACT TABLE

### EXISTING

OPEN STREAM	166 FT.
EXISTING STRUCTURE (12'X8' CONC. BOX)	217 FT.
TOTAL EXISTING LENGTH	383 FT.

### PROPOSED

OPEN STREAM	88 FT.
INCLUDES:	
RIP RAP AT INLET	47 FT.
RIP RAP AT OUTLET	41 FT.
PROPOSED STRUCTURE (12'X8' CONC. BOX)	279 FT.
TOTAL PROPOSED LENGTH	367 FT.

### APPLICATION BY:

TENNESSEE DEPARTMENT OF TRANSPORTATION  
PE # 83011-1233-94  
PIN # 121823.00  
STATE ROUTE 109  
STATE ROUTE 109 INTERSECTION AT  
OLD STATE HIGHWAY 109.  
SUMNER COUNTY